

Arithmetic Practice Test: 2

For Grade-8, 9 and 10 students

Time: 30 minutes

1. A shopkeeper purchased 100 eggs at a rate of 10 eggs / \$1. He found that 10 eggs were already broken. He sold the remaining eggs at the rate of 8 eggs / \$1. How much % profit or loss was made by him?
2. A product was sold at a loss of 20%. If the same product would have been sold at a price which was \$50 more, a profit of 5% would have been made. What was the cost price of the product?
3. A wine producer sold a bottle of wine to a businessman at a profit of 10%. The businessman sold the same bottle to a customer at a profit of 10%. The customer bought the wine bottle at a price of \$605. How much extra money the customer paid with respect to the cost price of the wine bottle?
4. A person spent \$90 to buy a chair plus a table. Later he sold the table at a profit of 12% and the chair at a loss of 4%. Overall, he made a profit of 6%. What was the cost price of the chair?
5. A trader sells a product at \$300 and makes a profit of 20%. If he would have sold the product at \$312.50, how much profit he could have been made?
6. A man sold his car at a price of \$4000 and lost some money. He could have made a profit of $\frac{2}{3}$ times of the loss, if he would have sold the car at a price of \$5000. At what price he purchased the car?
7. A businessman gives a discount of 5% on the retail price of jewelry. His cost price was \$712.50 and he made a profit of $33\frac{1}{3}\%$. What was the retail price of the jewelry?
8. John sold his car to Danny at \$4860 and made a loss of 19%. Danny subsequently sold the same car to Peter at a much higher price. If John would have sold the car at this price, he would have made a profit of 17%. How much profit Danny made?
9. A person purchased few mangoes at the rate of 15 mangoes / \$1 and another type of mangoes of the same amount at the rate of 12 mangoes / \$1. He mixed all the mangoes

and sold the mixed varieties at the rate of 13 mangoes/\$1. How much profit or loss he would make?

10. A watch was sold at \$230. If the watch would have been sold at 5% lesser prices, a profit of $9\frac{1}{4}\%$ could have been made. What was the cost price of the watch?

ANSWERS

1. $12\frac{1}{2}\%$ Profit.
2. \$200
3. \$105
4. \$33.75
5. 25%
6. \$4600
7. \$1000
8. $44\frac{4}{9}\%$
9. $2\frac{22}{39}\%$ Profit.
10. \$200